



#### Flexible

All-in-one design and highly integrated. Modular design with different optional parts.



#### Easy-to-install

NEMA 3R / IP54 rated.
Parallel installation side-by-side or back-to-back.



## Compatibility

Compatible with different battery brands, 150~750Vdc. Grid-tied and Off-grid.
480Vac 3P4W & 240Vac 2P.
Optional PV input, Optional backup module.



## Compliance

Global grid certified & listed PCS. Compliance with global safety standards.

# PRODUCT SPECIFICATION

| Battery Capacity  PCS Compatibility  Max PCS Units  3  AC Power Range 30kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 150-350Vdc)*n units (n=1,2,3)  PCDC Charger Compatibility  Max DCDC Units 3 3 PV Input Power 45kW *n units (n=1, 2, 3)  PV Input Voltage Range 2007-810V  Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: Seamless Passive Switching: 30ms  Physical  Coolling Forced air cooling for power electronics SkW Air-conditioned for battery system (pre-installed) Ingress Protection IP54  Max Elevation 3000n/10000feet (> 3000nr/10000feet derating)  Operating Ambient Temperature  -30°C ~ 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W*H*D) W2100°D1200°H2350WB2.7°D47.2*H92.5 in  Weight 750KG (WO Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400W400V AC, and 480W480V AC, 100kWA  Built-in Transformer 100 SkW transformer 100 SkW transformer 100 SkW transformer 100 Wallerin, up to 5kW transformer 100 SkW Salt Spray Prevention wersion with special coating and filter   |                               |   |
|---|-------------------------------|---|
| Max PCS Units  AC Power Range  30kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3)  DCDC Charger Compatibility  Max DCDC Units  3  PV Input Power  45kW*n units (n=1, 2, 3)  PV Input Voltage Range  200V 810V  Battery Compatibility  Battery String Voltage Range  150-750Vdc  Auto-switch Compatibility  Switching Time  Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling  5rorced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed) Ingress Protection  1P54  Max Elevation  3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature  -30°C - 55°C (Derate under 45°C)  Humidity  0-95% (Non-condensing)  Size (W*H*D)  W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight  750KG (W/O Battery)  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  400V;400V AC and 480V;480V AC, 100kVA  Built- un Gateway  For Peak-shaving, demand charge management or back- up power supply.  Auxiliary Power  220V single phase built-in, up to 5kW transformer 120V built-in, up to 5kW transformer   | Battery Capacity              | 100-186kWh  |
| AC Power Range 30kW (400 0r 480Vac & 350-750Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 150-350Vdc)*n units (n=1,2,3) 15kW (400 0r 480Vac & 150-350Vdc)*n units (n=1,2,3) 200C Charger Compatibility  Max DCDC Units 3 3  PV Input Power 45kW *n units (n=1, 2, 3)  PV Input Voltage Range 200V-810V  Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed) 1p54  Max Elevation 3000m/10000feet (> 3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C - 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W*H*D) W2100*D1200*H2350rW82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built- in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built- un Gateway For Peak-shaving, demand charge management or back- up power supply.  Auxiliary Power 120V built-in, up to 5kW transformer 120V built-in, up to 3kW | PCS Compatibility             |   |
| DCDC Charger Compatibility  Max DCDC Units 3 PV Input Power 45kW "n units (n=1, 2, 3) PV Input Voltage Range 200V-810V  Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed) Ingress Protection IP54  Max Elevation 3000m/10000feet (- 3000m/10000feet derating) Operating Ambient Temperature Humidity 0-95% (Non-condensing) Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA Built-un Gateway For Peak-shaving, demand charge management or back-up power supply. Auxiliary Power 120V built-in, up to 5kW transformer 120V built-in, up to 5kW transformer  | Max PCS Units                 | 3   |
| Max DCDC Units 3  PV Input Power 45kW *n units (n=1, 2, 3)  PV Input Voltage Range 200V-810V  Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics SkW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 120V built-in, up to 5kW transformer   | AC Power Range                |   |
| PV Input Power 45kW *n units (n=1, 2, 3)  PV Input Voltage Range 200V-810V  Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply. Auxiliary Power  | DCDC Charger Compatibility    |   |
| Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics SkW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 5kW transformer  | Max DCDC Units                | 3   |
| Battery Compatibility  Battery String Voltage Range 150-750Vdc  Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 300m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C - 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 5kW transformer   | PV Input Power                | 45kW *n units (n=1, 2, 3)   |
| Battery String Voltage Range  Auto-switch Compatibility  Switching Time  Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 300m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0-95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power   | PV Input Voltage Range        | 200V-810V   |
| Auto-switch Compatibility  Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed) Ingress Protection IP54  Max Elevation 3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0~95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  | Battery Compatibility         |   |
| Switching Time Active Switching: Seamless Passive Switching: 30ms  Physical  Cooling Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection IP54  Max Elevation 3000m/10000feet (>3000m/10000feet derating)  Operating Ambient Temperature -30°C ~ 55°C (Derate under 45°C)  Humidity 0~95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 5kW transformer  | Battery String Voltage Range  | 150-750Vdc  |
| Physical  Cooling  Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection  IP54  Max Elevation  Operating Ambient Temperature  Humidity  Size (W×H×D)  Weight  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  Auxiliary Power  Passive Switching: 30ms  Forced air cooling for power electronics  Forced air cooling for power electronics  Proved air cooling for power electronics  IP54  Auxiliary Power  Passive Switching: 30ms  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power   | Auto-switch Compatibility     |   |
| Forced air cooling for power electronics 5kW Air-conditioned for battery system (pre-installed)  Ingress Protection  IP54  Max Elevation  3000m/10000feet (> 3000m/10000feet derating)  Operating Ambient Temperature  -30°C ~ 55°C (Derate under 45°C)  Humidity  0~95% (Non-condensing)  Size (W×H×D)  W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight  750KG (W/O Battery)  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  | Switching Time                |   |
| Ingress Protection  IP54  Max Elevation  Operating Ambient Temperature  Humidity  Size (W×H×D)  Weight  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  Built-un Gateway  Auxiliary Power  Six W Air-conditioned for battery system (pre-installed)  IP54  3000m/10000feet (> 3000m/10000feet derating)  Ooperating Ambient Temperature  -30°C ~ 55°C (Derate under 45°C)  Humidity  0~95% (Non-condensing)  W2100*D1200*H2350/W82.7*D47.2*H92.5 in  750KG (W/O Battery)  Optional Components  FFS  heptafluoropropane, Fire detector  400V/400V AC and 480V/480V AC, 100kVA  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power   | Physical                      |   |
| Max Elevation3000m/10000feet (> 3000m/10000feet derating)Operating Ambient Temperature-30°C ~ 55°C (Derate under 45°C)Humidity0~95% (Non-condensing)Size (W×H×D)W2100*D1200*H2350/W82.7*D47.2*H92.5 inWeight750KG (W/O Battery)Optional ComponentsFFSBuilt-in Transformer400V/400V AC and 480V/480V AC, 100kVABuilt-un GatewayFor Peak-shaving, demand charge management or back-up power supply.Auxiliary Power220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Cooling                       |   |
| Operating Ambient Temperature  -30°C ~ 55°C (Derate under 45°C)  Humidity  0~95% (Non-condensing)  Size (W×H×D)  W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight  750KG (W/O Battery)  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Ingress Protection            | IP54  |
| Humidity 0~95% (Non-condensing)  Size (W×H×D) W2100*D1200*H2350/W82.7*D47.2*H92.5 in  Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Max Elevation                 | 3000m/10000feet (> 3000m/10000feet derating)                                  |
| Size (W×H×D)  Weight  750KG (W/O Battery)  Optional Components  FFS  heptafluoropropane, Fire detector  Built-in Transformer  400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW   | Operating Ambient Temperature | -30°C ~ 55°C (Derate under 45°C)  |
| Weight 750KG (W/O Battery)  Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Humidity                      | 0~95% (Non-condensing)  |
| Optional Components  FFS heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Size (W×H×D)                  | W2100*D1200*H2350/W82.7*D47.2*H92.5 in  |
| heptafluoropropane, Fire detector  Built-in Transformer 400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW   | Weight                        | 750KG (W/O Battery)   |
| Built-in Transformer  400V/400V AC and 480V/480V AC, 100kVA  Built-un Gateway  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW   | Optional Components           |   |
| Built-un Gateway  For Peak-shaving, demand charge management or back-up power supply.  Auxiliary Power  220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | FFS                           | heptafluoropropane, Fire detector   |
| Auxiliary Power 220V single phase built-in, up to 5kW transformer 120V built-in, up to 3kW  | Built-in Transformer          | 400V/400V AC and 480V/480V AC, 100kVA   |
| 120V built-in, up to 3kW  | Built-un Gateway              | For Peak-shaving, demand charge management or back-up power supply.           |
|   | Auxiliary Power               | 220V single phase built-in, up to 5kW transformer<br>120V built-in, up to 3kW |
|   | Salt Spray Prevention         | ·   |