

## S6-PM3P(100-125)KAA-NV-ND-H

# Solis Energy Storage PCS Module

### Features:

- Max. efficiency 98.5%
- Independent IP65 on IGBT for harsh environments
- Continuous power output ability of up to 60kW at 60°C
- Grid-friendly with adjustable power factor -1 ~ 1
- Wide mechanical compatibility, suitable for all kinds of integration cabinets
- Integrates key components from renowned international suppliers and ensures a highly reliable performance

### Models:

S6-PM3P100KAA-NV-ND-H

S6-PM3P125KAA-NV-ND-H



**DATASHEET**
**S6-PM3P(100-125)KAA-NV-ND-H**

| Models                                   | 100K   | 125K      |
|--|--|-----------|
| <b>DC Side</b>                           |  |           |
| Battery voltage range                    | 650 - 950 V  |           |
| Rated power                              | 100 kW   | 125 kW    |
| Max. charge / discharge power            | 110 kW   | 137.5 kW  |
| Max. charge / discharge current          | 153.8 A  | 192.3 A   |
| Overload charge / discharge current      | 210 A  |           |
| Communication                            | RS485 / CAN  |           |
| <b>AC Side</b>                           |  |           |
| Rated output power                       | 100 kW   | 125 kW    |
| Max. apparent output power               | 110 kVA  | 137.5 kVA |
| Rated grid voltage                       | 3/N/PE, 220 V / 380 V, 230 V / 400 V   |           |
| Grid voltage range                       | 304 - 460 V  |           |
| Rated frequency                          | 50 Hz / 60 Hz  |           |
| Grid frequency range                     | 45 - 55 Hz / 55 - 65 Hz  |           |
| Rated grid output current                | 151.9 A  | 189.9 A   |
| Max. output current                      | 210 A  |           |
| Power factor                             | -1 ~ 1 (leading - lagging)   |           |
| THDi                                     | ≤ 3%   |           |
| <b>Efficiency</b>                        |  |           |
| Max. efficiency                          | 98.5%  |           |
| EU efficiency                            | 97.8%  |           |
| <b>Protection</b>                        |  |           |
| Surge protection                         | II   |           |
| DC reverse-polarity protection           | Yes  |           |
| Protection class / Over voltage category | I / II   |           |
| <b>General Data</b>                      |  |           |
| Dimensions (W × H × D)                   | 440 × 256.5 × 678.6 mm   |           |
| Weight                                   | 65 kg  |           |
| Topology                                 | I  |           |
| Operating ambient temperature range      | -25 ~ +60°C  |           |
| Ingress protection                       | IP 21  |           |
| Cooling concept                          | Intelligent fan-cooling  |           |
| Max. operation altitude                  | 4000 m   |           |
| Grid connection standard                 | NRS 097-2-1 24, IEC 61727, IEC 62116, IEC 61683, IEC 60068, EN 50530, EN 50549-1/-10, GREEK, G99, G100, VDE 4105, VDE 0124 |           |
| Safety / EMC standard                    | IEC 62109-1/-2, IEC 62477, IEC 61000-6-2/-4, EN 55011  |           |
| <b>Features</b>                          |  |           |
| DC connection                            | OT terminal  |           |
| AC connection                            | OT terminal  |           |
| Display                                  | LED  |           |
| Communication                            | CAN, RS485, DI/DO port   |           |