

|                                       |                                                                                                     |
|---------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>MODEL</b>                          | <b>PDS33 - 30kW</b>                                                                                 |
| <b>DC INPUT</b>                       |                                                                                                     |
| Max. Input Voltage [V]                | 800                                                                                                 |
| Start Voltage [V]                     | 350                                                                                                 |
| Min. Input Voltage [V]                | 220                                                                                                 |
| MPPT Voltage Range [V]                | 500 - 700                                                                                           |
| Recommended Input Working Voltage [V] | 560                                                                                                 |
| Recommended PV Array Power [kW]       | 36-48                                                                                               |
| <b>AC INPUT</b>                       |                                                                                                     |
| Input Voltage [V]                     | 380(±15%)                                                                                           |
| Input Frequency [Hz]                  | 50/60                                                                                               |
| <b>AC OUTPUT</b>                      |                                                                                                     |
| Output Power [kW]                     | 30                                                                                                  |
| Rated Current [A]                     | 60                                                                                                  |
| Output Voltage [V]                    | 3PH 0 - 380                                                                                         |
| Output Frequency [Hz]                 | 0 - 50/60                                                                                           |
| <b>CONTROL PERFORMANCE</b>            |                                                                                                     |
| Control Mode                          | V/F, SVC                                                                                            |
| Overload Capacity                     | 150% of rated current:60 second; 180% of rated current: 1 seconds                                   |
| <b>PROTECTION</b>                     |                                                                                                     |
| Undervoltage Protection               | Intergrated                                                                                         |
| Overvoltage Protection                | Intergrated                                                                                         |
| Overload Protection                   | Intergrated                                                                                         |
| Short-circuit Protection              | Intergrated                                                                                         |
| Overheat Protection                   | Intergrated                                                                                         |
| Lack of Water Protection              | Intergrated                                                                                         |
| Surge Protection                      | Intergrated                                                                                         |
| <b>GENERAL DATA</b>                   |                                                                                                     |
| Ingress Protection Degree             | IP20                                                                                                |
| Cooling Mode                          | Air Cooling                                                                                         |
| Communication Interface               | RS485 Communication Interface                                                                       |
| Ambient Operating Temperature         | -20 °C ~ 60 °C (>45 °C, Rated power will be derated for 1 % by every additional 1 °C                |
| Operation Altitude                    | Recommended <3000m (Rated power will decrease for 1 % by every additional 100m when the altitude is |
| Dimension [H x W x D] [mm]            | 442 x 256 x 228                                                                                     |
| Weight [Kg]                           | 13.5                                                                                                |
| Standard Warranty [Month]             | 18                                                                                                  |
| Certification Standards               | CE                                                                                                  |