

SolarQuantum
Best Choice: Deye
Wechselrichter 15 kW



ARTIKEL-NR.: SQ001WE15DE

Hersteller: Ningbo DEYE Inverter Technology Co., LTD.

Original Datenblatt: <https://drive.google.com/drive/u/0/folders/1aIJdNzWfIgomIQOhTn4wjhPH8L6O7vFT>

Battery Input Data	
Battery Type	Lead-acid or Li-Ion
Battery Voltage Range (V)	
Max. Charging Current (A)	240
Max. Discharging Current (A)	240
External Temperature Sensor	Yes
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS
PV String Input Data	
Max. DC Input Power (W)	15 600
Rated PV Input Voltage (V)	550 (160~800)
Start-up Voltage (V)	160
MPPT Voltage Range (V)	200-650
Full Load DC Voltage Range (V)	350-650
PV Input Current (A)	26+13
Max. PV ISC (A)	34+17
Number of MPPT / Strings per MPPT	2/2+1
AC Output Data	
Rated AC Output and UPS Power (W)	12000
Max. AC Output Power (W)	13200
AC Output Rated Current (A)	18.2
Max. AC Current (A)	27.3
Max. Continuous AC Passthrough (A)	45
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; 3L/N/PE 220/380, 230/400Vac
Grid Type	Three Phase
DC injection current (mA)	THD<3% (Linear load<1.5%)
Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%
Protection	
Integrated	PV Input Lightning Protection, Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Surge protection
Certifications and Standards	
Grid Regulation	CEI 0-21, VDE-AR-N 4105, NRS 097, IEC 62116, IEC 61727, G99, G98, VDE 0126-1-1, RD 1699, C10-11
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2
General Data	
Operating Temperature Range (°C)	-45~60°C, >45°C derating
Cooling	Smart cooling
Noise (dB)	<45 dB
Communication with BMS	RS485; CAN
Weight (kg)	33.6
Size (mm)	422W x 699.3H x 279D
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	5 years