

3.6kW ECCO Hybrid Inverter

Model	3.6kW/7.2kW MPPT Sunsynk Ecco Inverter
Battery Input Data	
Battery Type	Lead-acid or lithium-ion
Battery Voltage Range (V)	40~60V
Max. Charging Current (A)	90A
Max. Discharging Current (A)	90A
Charging Curve	3 stages/equalisation
External Temperature Sensor	Optional
Charging Strategy for Li-Ion Battery	Self-adaptation to BMS
PV String Input Data	
Max. DC Input Power (W)	7000W
Voc Max. (V)	500V
MPPT Range (V)	150~425V
Full Load DC Voltage Range (V)	300~425V
Start-up Voltage (V)	125V
PV Input Current (A)	13A+13A
No. of MPPT Trackers	2
No. of Strings per MPPT Tracker	1+1
AC Output Data	
Rated AC Output and UPS Power (W)	3600W
Max. AC Power (W)	3960W
Peak Power (Off-Grid)	2 times of rated power, 10 S
AC Output Rated Current (A)	16.4A
Max AC Output Current (A)	18A
Max Continuous AC Pass-through (A)	35A
Power Factor	0.8 leading to 0.8 lagging
Output Frequency and Voltage	50/60Hz; 220/230/240Vac (single phase)
Grid Type	Single phase
Current Harmonic Distortion	THD<3% (linear load<1.5%)
Efficiency	
Max. Efficiency	97.60%
MPPT Efficiency	96.50%
Euro Efficiency	99.90%
Certifications and Standards	
Grid Regulation	VDE 0126, AS4777, NRS2017, G98, G99, IEC61683, IEC62116, IEC61727, RD1699:2011, XP C15-712-3:2019-05
Safety Regulation	IEC62109-1, IEC62109-2
EMC	EN61000-6-1, EN61000-6-3
General Data	
Operating Temperature Range	-25~60°C, >45°C derating
Cooling	Natural cooling
Protection Degree	IP65
Warranty	5 years