

SPECIFICATIONS



Model	MARSTEK VENUS-E
Battery Info	
Rated Voltage	51.2V (16S)
Capacity	5120Wh
Life Cycle (Times)	>6000 (25°C)
Battery Type	LiFePO ₄
DoD	90%
AC Input / Output (On Grid)	
Rated Input Power	2.5kVA
Rated Output Power	2.5kVA / 800VA
Operating Phase	L / N / PE
Rated Grid Voltage	230V
Grid Voltage Range	187V ~ 253V
Rated Grid Frequency	50Hz
Rated Grid Output Current	10.9A
Power Factor	> 0.99 (Default) / 0.8 leading...0.8 lagging (Adjustable)
THDi	< 3%
Back-up (Off Grid)	
Rated Output Power	2.5kVA
Max. Apparent Output Power	3.5kVA, 10s
Rated Grid Voltage	230V
Rated Output Current	10.9A
Rated Output Voltage Frequency	50Hz
THDu(Linear Load)	<3%
Efficiency	
Battery-AC Side Max. Efficiency	> 93.5%
Protection	
Protection Level	I
Overvoltage/Voltage Withstand Level	DC II / AC III
General	
Isolation Type	Isolated
Operating Temperature Range	-20°C ~ + 55°C (Storage -30°C ~ + 85°C)
Relative Humidity	0 ~ 95%
Ingress Protection	IP65
Cooling Strategy	Natural Convection
Max. Operating Altitude	2000m
On-grid Connection Standard	NFEN50549-1, VDE4105/0124,G98,CE10-21,PETREE,PN-EN50549-1/-2,TORR25,UNE217001/217002,NTS631, AS47772
Regulatory/EMC	IEC62040,IEC62477,IEC/EN 61000-6-1/-2/-3/-4,IEC/EN 61000-3-2/-3,EN 300 328,EN 301 489 -1/-17, EN 50665,CB 62619
Dimension	480*153*624mm
Weight	60 ± 0.5kg
Additional Data	
On-grid AC Connection	Three-wire Household Plug (Euro16A)
Back-up Connection	Three-hole socket (Euro socket)
Display	LED
Supported Communication Interface	LAN / WIFI / Bluetooth / RS485