

Model	Loadshedder 2
PV Input Data	
Max. PV Power	3000W
Max. PV Input Voltage	500V
MPPT Voltage Range	120-450V
Start-up Voltage	150V
Max. PV Current	12A (total current of the one MC4 set)
AC Output / Input Data	
Maximum Input Power	2500W
Nominal Input / Output Power	2500W
Max. Input / Output Apparent Power	2500VA
Nominal Voltage	230VAC
Max. Input / Output Current	11A
Max. Bypass Current	20A
Nominal Frequency	50Hz
Power Factor Range	0.8 Leading ~ 0.8 Lagging
Standalone Data	
Nominal Output Power	2500W
Nominal Output AC Voltage	230VAC (Configurable)
Nominal Output AC Frequency	50Hz (Configurable)
Output THD (Resistor load)	<3%
Battery Data	
Battery Voltage Range	40V~58V
Max. Charging Current / Discharging Current	42A/56A
Battery Type	LiFePO4
Power of the Battery	2048Wh
Number of Batteries	1 (Installed)
Ingress Protection	IP20
Protective Class	Class I
Efficiency	
Max. Efficiency	97.6%
Max. Battery to Load Efficiency	94.0%
Europe Efficiency	97.0%
MPPT Efficiency	99.9%
Operating Temperature Ranges	
Inverter	-25°C ~ +60°C
Battery Charging	0°C ~ +45°C
Battery Discharging	-20°C ~ +50°C