



MTGD

All in One Energy Storage System



Flexible Investment

Plug & Play design, fast commissioning



Active Safety

AFCI active arcing protection



High PV acceptance

40~600Vdc, 2X of rated power input



More Options

2*10.24kWh battery module + Optional battery stack

ALL IN ONE ENERGY STORAGE SYSTEM

MODEL	MTGD-10LV1		MTGD-10LV2	
PV Specifications				
Max. PV input power	11000W			
Nominal DC voltage/ Voc	360Vdc/600Voc			
Start-up/ Min. operation voltage	50Vdc/40Vdc			
No. of MPPTs/ Strings	2/1			
Max. PV input/ Short circuit current	16A/ 20A			
Input/ Output (AC)				
Max. AC input power from grid	11000VA			
Rated/ Max. AC output power	6000W/6000VA			
Rated AC output current (at 230V)	26.1A			
Max. AC output current	27.3A			
Rated AC voltage	220V/230V/240V			
AC voltage range	154V~276V			
Rated grid frequency	50Hz/60Hz			
Grid frequency range	45~55Hz/ 55~65Hz			
Harmonic (THD)	< 3%			
Power factor at rated power	> 0.99			
Adjustable power factor	adj.0.8,overexcited/leading to 0.8 underexcited/lagging			
Grid type	Single phase			
Rated output power for backup load	6000W			
Frequency range in off grid mode	50Hz/60Hz(±0.5%)			
Battery Data				
Rate voltage(Vdc)	51.2			
Cell combination	16S1P*1		16S1P*2	
Rate capacity(AH)	200		400	
Energy storage(KWH)	10.24		20.48	
Cycle life	6000 cycles @80% DOD, 0.5C			
Charge voltage	57.6V			
Max. charge/discharge current(A)	100			
Discharge cut-off voltage(V DC)	43.2			
Charge cut-off voltage(V DC)	58.4			
Enviornment				
Charge temperature	0°C to 55°C@60±25% Relative Humidity			
Discharge temperature	-20°C to 55°C@60±25% Relative Humidity			
Storage temperature	-20°C to 55°C@60±25% Relative Humidity			
Mechanical				
IP class	IP65			
Material system	LiFePO4			
Case material	Metal			
Case type	All in One Stack			
Dimensions L*W*H(mm)	620*212*1302		620*212*1900	
Package dimension L*W*H(mm)	760*725*345+735*715*340*1		760*725*345+735*715*340*2	
Net weight(kg)	25+85*1		25+85*2	
Gross weight(kg)	30+92*1		30+92*2	
Communication				
Protocol(Optional)	RS485/RS232/WLAN Optional			
Certificates				
System	UN38.3,MSDS,CE-EMC,IEC62619,UL1973			
Cell	UN38.3,MSDS,IEC62619,CE,UL1973			