



Amossys Portable Power LLP
EMPOWERING TOMORROW'S ENERGY NEEDS



SPECIFICATION

Description	48V 100AH LFP
Nominal voltage	51.2V
Battery configuration	16S1P
Rated capacity	100Ah
Nominal energy	5120wh
Usage application	INVERTER / ENERGY STORAGE / E-RIKSHAW
Battery operating voltage range	40V to 58.4V $\pm 0.5V$
continuous charging current (Amp)	25A @ 0.25C
Maximal charging current (Amp)	50A @ 0.5C
Continuous Discharging current (Amp)	65A $\pm 5A$
Max discharge current (Amp)	85A $\pm 5A$
SOC required for long period storage & transportation	25% / 25Ah
Inbuilt Automatic Protection System	YES
low voltage protection	YES
over voltage protection	YES
over charge/discharge current protection	YES
over charge/discharge temp protection	YES



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SPECIFICATION

Description	48V 50Ah LFP
Nominal voltage	51.2V
Battery configuration	16S1P
Rated capacity	50Ah
Nominal energy	2560wh
Usage application	E-Loader
Battery operating voltage range	40V to 58.4V $\pm 0.5V$
continuous charging current (Amp)	12.5A @ 0.25C
Maximal charging current (Amp)	25A @ 0.5C
Continuous Discharging current (Amp)	45A $\pm 5A$
Max discharge current (Amp)	50A $\pm 5A$
SOC required for long period storage & transportation	25% / 12.5Ah
Inbuilt Automatic Protection System	YES
low voltage protection	YES
over voltage protection	YES
over charge/discharge current protection	YES
over charge/discharge temp protection	YES



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SPECIFICATION

Description	12V 100Ah LFP
Nominal voltage	12.8V
Battery configuration	4S1P
Rated capacity	100Ah
Nominal energy	1280wh
Usage application	INVERTER / Solar
Battery operating voltage range	10V to 14.6V \pm 0.5V
continuous charging current (Amp)	25A @ 0.25C
Maximal charging current (Amp)	50A @ 0.5C
Continuous Discharging current (Amp)	65A \pm 5A
Max discharge current (Amp)	85A \pm 5A
SOC required for long period storage & transportation	25% / 25Ah
Inbuilt Automatic Protection System	YES
low voltage protection	YES
over voltage protection	YES
over charge/discharge current protection	YES
over charge/discharge temp protection	YES



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SPECIFICATION

SPECIFICATION	
Description	24V 30Ah LFP
Nominal voltage	25.6V
Battery configuration	8S2P
Rated capacity	30Ah
Nominal energy	768wh
Usage application	E-Cycle
Battery operating voltage range	20V to 29.2V $\pm 0.5V$
continuous charging current (Amp)	5A
Maximal charging current (Amp)	10A
Continuous Discharging current (Amp)	20A $\pm 2A$
Max discharge current (Amp)	30A $\pm 2A$
SOC required for long period storage & transportation	25% / 7.5Ah
Inbuilt Automatic Protection System	YES
low voltage protection	YES
over voltage protection	YES
over charge/discharge current protection	YES
over charge/discharge temp protection	YES



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EMPOWERING TOMORROW'S ENERGY NEEDS



SPECIFICATION

Description	36V 15Ah LFP
Nominal voltage	38.4V
Battery configuration	12S1P
Rated capacity	15Ah
Nominal energy	576wh
Usage application	E-cycle
Battery operating voltage range	30V to 43.8V $\pm 0.5V$
continuous charging current (Amp)	3A
Maximal charging current (Amp)	5A
Continuous Discharging current (Amp)	10A $\pm 2A$
Max discharge current (Amp)	15A $\pm 2A$
SOC required for long period storage & transportation	20% / 3Ah
Inbuilt Automatic Protection System	YES
low voltage protection	YES
over voltage protection	YES
over charge/discharge current protection	YES
over charge/discharge temp protection	YES



"The nation that leads in renewable energy
will be the nation that leads the world"

-James Cameron -