

TERRA NMC Battery Systems with cooling

Our NMC (Nickel Manganese Cobalt) battery systems offer high energy density and integrated cooling in a modular design, ensuring consistent performance and easy integration into a wide range of applications.

TECHNICAL DATA		TERRA #05	TERRA #11	TERRA #14	TERRA #15
Cell chemistry		NMC	NMC	NMC	NMC
Energy content	[kWh]	9.5	42.7	42.7	42.7
Voltage - nominal	[V]	88.8	648	108	648
Dimension (L x W x H)	[mm]	1150 x 255 x 178	1700 x 700 x 140	980 x 700 x 280	980 x 700 x 280
Weight	[kg]	73	245	260	230
Discharge – continuous	[A]	107	115.5*	396*	115.5*
Discharge - peak	[A]	321	231*	594*	231*
Charge - continuous	[A]	60	99*	198*	99*
Charge - peak	[A]	154	148.5*	396*	148.5*
Battery cooling		FLEXCOOLER® Water / Glycol	FLEXCOOLER® Water / Glycol	FLEXCOOLER® Water / Glycol	FLEXCOOLER® Water / Glycol
Standards and certifications		UN38.3 ECE R10 IEC 62619 ISO26262 - certified BMS	UN38.3 ECE R100.5 ECE R10 ISO26262 - certified BMS	UN38.3 ECE R10	UN38.3 ECE R100.5 ECE R10 ISO26262 - certified BMS

*The specified charge and discharge currents are not battery limits and can be exceeded to meet customer needs.

Customized TERRA LFP Battery Systems

Our LFP (lithium iron phosphate) battery systems combine state-of-the-art cell technology, an intelligent battery management system (BMS), and standardized interfaces. This combination delivers safe, long-lasting and easy-to-integrate energy storage solutions.

TECHNICAL DATA		TERRA #51	TERRA #52	TERRA #53
Cell chemistry		LFP	LFP	LFP
Energy content	[kWh]	41.5	5.4	41.5
Voltage - nominal	[V]	691.2	51.2	345.6
Dimension (L x W x H)	[mm]	1190 x 700 x 340	570 x 375 x 155	1190 x 700 x 340
Weight	[kg]	350	38	350
Discharge – continuous	[A]	120	80	240
Discharge - peak	[A]	340	210	680
Charge - continuous	[A]	60	50	120
Charge - peak	[A]	180	80	360
Battery cooling		FLEXCOOLER® Water / Glycol	Passive cooling	FLEXCOOLER® Water / Glycol
Standards and certifications		UN38.3 ECE R10 ISO26262 - certified BMS ECE R100.5 optional	UN38.3 ECE R10	UN38.3 ECE R10 ISO26262 - certified BMS ECE R100.5 optional

TECHNICAL DATA		TERRA #54	TERRA #55	TERRA #56
Cell chemistry		LFP	LFP	LFP
Energy content	[kWh]	46	1	82.9
Voltage - nominal	[V]	96	48	691.2
Dimension (L x W x H)	[mm]	1295 x 700 x 340	380 x 300 x 75	1425 x 750 x 490
Weight	[kg]	390	10	680
Discharge – continuous	[A]	480	40	240
Discharge - peak	[A]	720	50	720
Charge - continuous	[A]	240	20	120
Charge - peak	[A]	480	30	240
Battery cooling		FLEXCOOLER® Water / Glycol	Passive cooling	FLEXCOOLER® Water / Glycol
Standards and certifications		UN38.3 ECE R10 ECE R100.5	UN38.3	UN38.3 ECE R10 ISO26262 - certified BMS ECE R100.5 optional