

P4P

48V

General Electric Specification : 48V Portable Pack P4P					
	HD	UHD			
Cells Capacity @ 1 A Discharge	37	45	Ah	+ 1 / - 2	@ 0 cycles
Nominal Capacity @ 10 A Discharge	34,5	42	Ah	+ 1 / - 2	@ 0 cycles
Minimal Cycle Life (standard setting)	1000	1000	#	full cycles	min. 70% rated capacity
Minimal Cycle Life (long life setting)	2000	1500	#	full cycles	min. 70% rated capacity
Nominal Voltage	51,1	50,9	V		
Charge Voltage Limit	58,8	58,8	V	+ 0.0 / - 0.28	not for long life settings
Nominal Charge Current	10	10	A		recommended : "CC" and "CV" model
End of Charge Current Limit	0,5	0,5	A		advised
Discharge Voltage Limit	44	44	V	+/- 1	drive system should shutdown at this Voltage
Nominal Discharge Current	50	50	A		
Peak Discharge Current	120	120	A		@ T =25 / 10 sec
Fast Charging	No				
Parallel Switching	Yes (MPC)				typical up to 26 P
Serie Switching (High Voltage)	No				
Certification	UN 38.3; IEC62133				for at least one Cell type
Functional Safety Compliance	IEC61508 - SIL 2				Certified for at least one cell type
Light Electric Vehicle Compliance*	EN50604-1				design suitable for Certification
Electric Vehicle compliance*	R100*				design suitable for Certification
Industrial compliance	IEC62619				design suitable for Certification
Compatibility with North America	ANSI/CAN/UL/ULC 2271				design suitable for Certification
Ingress Protection level	IP44/IP66				IP44 closed Cap; IP67 mated Connector
Dimensions	429 x 266 x 78		mm.		
Weight	12,4		Kg.		
	*) Outer Protective Casing required				

General Electric Specification : 48V Basic System Module P4P

** MPC = Multi Pack Configuration

Paralles Switching options:

PARALLEL DIS-/CHARGING



Hot Swap
Cycle Intelligent
Charging

Safety
By Redundancy

Benefit
Higher Currents or
Longer Cycle Life

Application
Fixed

SEQUENTIAL DIS-/CHARGING



Hot Swap
Cycle Intelligent
Charging

Safety
By Redundancy

Benefit
Less Packs Needed
Less Chargers Needed

Application
Portable

No rights can be derived from this document.
Please contact Cleantron for more information.

Pesetaweg 37
2153 PJ Nieuw Vennep
The Netherlands

+31 (0)71 887 60 76
info@cleantron.nl
www.cleantron.nl

cleantron[®]
cleantech batteries