

## General Electric Specification : 48V Portable Pack P4P

	HD	UHD				
Battery Capacity @ 1 A Discharge	37	45		Ah	+ 2 / - 2	@ 0 cycles
Battery Capacity @ 15 A Discharge	34,5	42		Ah	+ 1.5 / - 1.5	@ 0 cycles
Minimal Cycle Life (standard setting)	1000	500		#		min. 70% rated capacity
Minimal Cycle Life (long life setting)	2000	1000		#		min. 70% rated capacity
Nominal Voltage	51,1	50,9		V		
Charge Voltage Limit	58,8	58,8		V	+ 0.0 / - 0.28	constant voltage charging
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	40	40		A		
Peak Discharge Current	75	75		A		@ T =25°C / 10 sec
Fast Charging	No	No				
Parallel Switching	Yes (MPC**)					max 16P
Serie Switching (High Voltage)	No					
Certification	UN 38.3; IEC62133; IEC62619					for at least one Cell type
Functional Safety Compliance	IEC61508 - SIL 2					AGV application Certified for at least one cell type
Light Electric Vehicle Compliance*	EN50604-1					design suitable for Certification
Compatibility with North America	ANSI/CAN/UL/ULC 2271					design suitable for Certification
Ingress Protection level	IP44/IP67					IP44 closed Cap; IP67 mated Connector

\*\* Multi Pack Configuration

**cleantron**<sup>®</sup>  
cleantech batteries

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### 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 Pack Needed  
Less Chargers Needed

#### Application

Portable