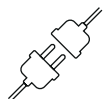




## **LIFE** 46 high-energy battery pack

### Plug-and-play system for your everyday-life applications



Plug & play

- + High compactness
- + SMBus & SBS v1.1



Reliable & safe

- + Filed-proven BMS technology
- + EU & US certifications: UN38.3 / EMC(IEC60601-1-2) / CB IEC62133 / FCC / UL2054



Cost competitive

- + High-volume series production
- + Long cycle life up to 700 cycles (IEC 60601-3)

# Life 46 SBS v1.1 compliant Li-ion NMC battery system

PHYSICAL SPECIFICATIONS	UNIT	DATA
<b>VOLTAGE</b>		
Minimal	V	10
Nominal	V	14.8
End of charge	V	16.8
<b>ENERGY / CAPACITY</b>		
Embedded energy	Wh	47
Typical capacity	Ah	3.2
Minimum capacity	Ah	3.1
<b>CURRENT</b>		
Standard continuous current in discharge	A	0.62 (0.2C)
Max. continuous current in discharge	A	6.1
Standard continuous current in charge	A	1.55 (0.5C)
Max. continuous current in charge	A	3.1
<b>CYCLE LIFE</b>		
Cycle life (charge 0.5C / discharge C / 23°C)		700 cycles @75% initial capacity
<b>TEMPERATURE</b>		
Operation temperature in charge	°C	0 ~ 45
Operation temperature in discharge	°C	-20 ~ 60
Storage temperature 1 month	°C	-20 ~ 60
Storage temperature 3 months	°C	-20 ~ 45
Storage temperature 1 year	°C	-20 ~ 20
<b>MECHANICAL CHARACTERISTICS</b>		
Weight	g	~350
Height	mm	~77
Width	mm	~85
Depth	mm	~23
<b>CERTIFICATIONS</b>		
Cell certification		UN 38.3   IEC 62133
Battery certification		UN 38.3   IEC 62133 compliant   CB IEC 62133   UL 2054   EMC   FCC   RoHS   REACH