

MDCL0300C0-0028R5SHZ DATASHEET



MODEL MDCL0300C0-0028R5SHZ

Rev	Date	Valid from	Revision of historical records
1.0	01-JULY-21		Frist vesion

FEATURES

- Operating temperature -40°C to +65°C
- Improving the start-up performance of heavy-duty vehicles in ultra-low temperature
- Ultra-low series equivalent resistance, high power density suitable for instantaneous amplification of current equipment
- Automatic tracking of engine start and recharge, maintain excellent starting performance despite severe battery performance degradation in automobiles
- The unique ambient temperature compensation feature ensures longer power supply life. repeated use more than 100,000 times and more than 8 years service life
- Easy single-button operation; LED display of current operating mode and car battery status. maintenance free for supercapacitor

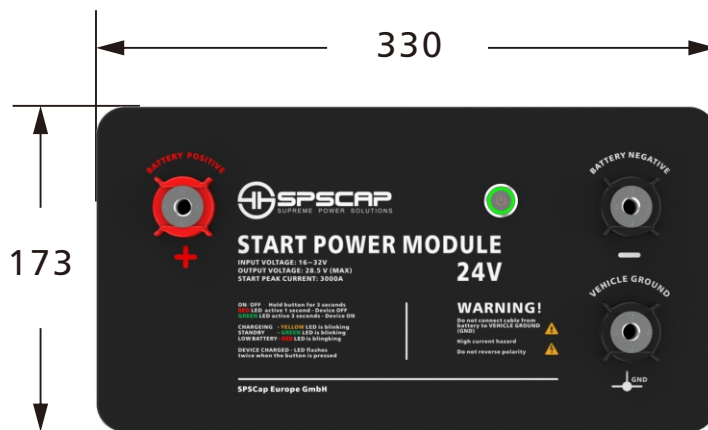
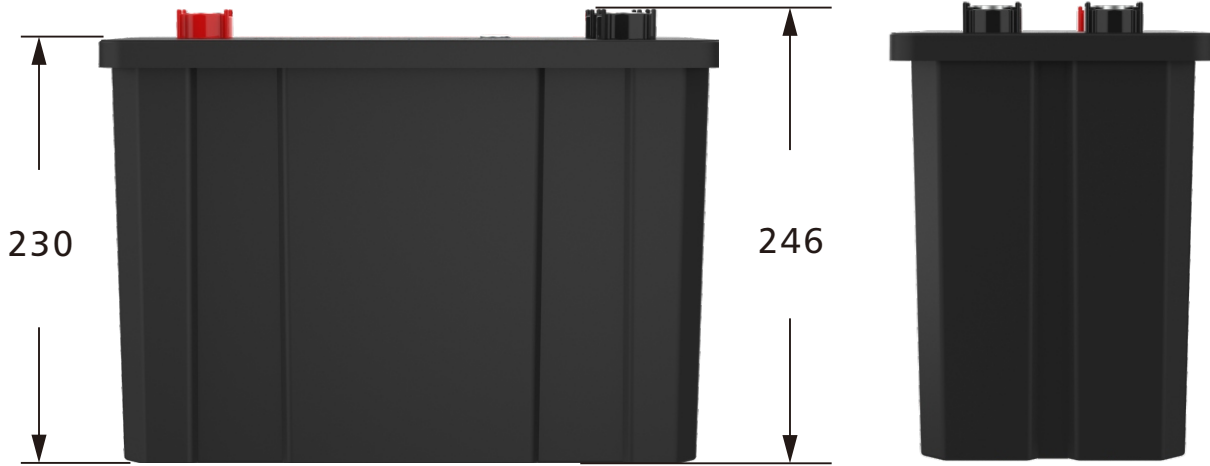
APPLICATIONS

Heavy duty vehicles engine start

SPECIFICATION

Electrical	Characteristics
Rated capacity (new)	300 F
Capacity tolerance at the beginning of life	0% ~ +20%
Capacity at the end of the life cycles	80%
Input voltage(VDC)	Min.:16V Standard: 24V Max.:32V
Output voltage(VDC)	Min.:16V Standard: 24V Max.:28.5V
Maximum continuous charging current(A)	30A
Peak start-up current(A/sec)	3000A / 0.3sec
-40°C Start-up current(A/sec)	900CCA / 5sec
Peak start-up power(KW)	45KW
Average start-up power(KW)	22KW
Supercapacitor charging time (from 0V)	5min(Max.)
Continuous start-up interval(min)	< 2min
Standby current(mA)	10mA
Dormant current(mA)	0.8mA
Environment	
Operating Temperature Range	-40°C to +65°C
Storage Temperature Range	-40°C to +70°C
Physical	
Weight	9.2 kg
Dimension(mm)	L 330 x W 173x H 246 mm
Isolation voltage (terminal to housing)	500 VAC (1 min)
IP Protection	IP65

DIMENSION



MODEL NUMBER	DIMENSION(MM)		
	L (±1mm)	W (±1mm)	H (±1mm)
MDCL0300C0-0028R5SHZ	330	173	246

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SPSCAP Europe GmbH

Add: Ziegelstraße 1, 83629 Weyarn, Germany
 Tel: +49 8020 33996-0
 Email: info@spscap.de
 Website: www.spscap.de

