



0-605-80 - Battery Disconnect Switch 500 amp Lockable Double Pole

Durite Battery Disconnect switch, double pole, 500A at 24 volt continuous, 2250A for 30 secs. IP67. Fixed lockable handle. Cuts all battery power from vehicle electrical systems with applications needing switching of two circuits, or both positive and negative. 500A continuous current rating for each of the two circuits (using 2 x 4/0 input and 2 x 4/0 output cables). Can be used to switch two vehicle voltage circuits simultaneously (24V and 12V). Disconnect a battery or multiple batteries, in either the positive or the negative line. Ingress protection to IP67 and IP69K means that the switch can be mounted in exposed locations on the vehicle. Drop-in replacement for competitive Master Disconnect Switches, with higher vibration and shock capabilities. Direct lockout/tagout capability in On or Off position, with padlock or hasp.

TECHNICAL SPECIFICATIONS

Type	Battery Disconnect Switch 500A
Max Operating Voltage	48V DC
Max Continuous Current	500A per circuit, with 2 x 4/0 input and 2 x 4/0 output cables 350A per circuit, with 1 x 4/0 input and 1 x 4/0 output cables
Cranking Rating (30sec)	2250A per circuit, with 2 x 4/0 input and 2 x 4/0 output cables 1750A per circuit, with 1 x 4/0 input and 1 x 4/0 output cables
Inrush Rating (1 sec)	3000A per circuit with 2 x 4/0 + 1 x 2 AWG
Terminal Stud Size	M12 x 25mm
Recommended Terminal Torque	20 N-m (30 Nm Max)
Temperature Range	-50° to 85°C, DC-Rated to 105°C
Humidity	0 – 95% RH
Shock	30G
Vibration	8G
Ingress Protection	IP69K
Recommended Mounting Torque	15 N-m (20Nm Max)

TECHNICAL DRAWING

