

			Cable length (meters) & required B&S cable size - Starting Battery to DCDC										CIRCUIT PROTECTION Midi fuse or Manual Reset Circuit Breaker										
Brand	Model	Charge Current	0-3	4	5	6	7	8	9	10	11	12	INPUT SIZE	OUTPUT SIZE									
REDARC	BCDC1225D	25A	8	6	6	4	4	4	3	3	2	2	40A										
INTERVOLT	DCCPROR2-0	25A	8	6	6	4	4	4	3	3	2	2	40A	30A									
PROJECTA	IDC25/IDC25L	25A	8	6	6	4	4	4	3	3	2	2	50A										
REDARC	BMS1230S3	30A	6	6	4	4	4	3	2	2	2	1	50A	40A									
REDARC	BCDC1240D	40A	6	4	4	3	2	2	1	1	0	0	60A										
PROJECTA	IDC45	45A	6	4	3	2	2	1	1	0	0	2/0	70A										
REDARC	BCDC1250D	50A	6	4	3	2	1	1	0	0	2/0	2/0	60A										
ENERDRIVE	EN3DC40+	50A	6	4	3	2	1	1	0	0	2/0	2/0	70A	60A									
8B&S = 7.71mm <sup>2</sup>			6B&S = 13.5mm <sup>2</sup>			4B&S = 20.26mm <sup>2</sup>			3B&S = 26.45mm <sup>2</sup>			2B&S = 32.07mm <sup>2</sup>			1B&S = 39.55mm <sup>2</sup>			0B&S = 49.00mm <sup>2</sup>			2/0B&S = 64.15mm <sup>2</sup>		
10mm <sup>2</sup> lug			16mm <sup>2</sup> lug			25mm <sup>2</sup> lug			25mm <sup>2</sup> lug			35mm <sup>2</sup> lug			50mm <sup>2</sup> lug			50mm <sup>2</sup> lug			70mm <sup>2</sup> lug		
Max 50A CB (Twin core)			Max 70A CB (Twin core)			Max 100A CB (Twin core)			Max 150A CB (single cores)			Max 175A CB (single cores)			Max 200A CB (single cores)			Max 225A CB (single cores)			Max 250A CB (single cores)		
<p>The above table is provided for information purposes only to assist users to correctly size cables and circuit protection for the listed DCDC chargers ensuring correct current carrying capacity and voltage drop of 3% or under.</p> <p>Circuit Breaker maximum sizes for the above cables are based on 8, 6 &amp; 4 B&amp;S cable using twin core cables with outer sheath and 3, 2, 1, 0 &amp; 2/0 B&amp;S cable using single core cables.</p> <p>Based on Tyacab cable specifications for amp carrying capacity with derating factors for insulation &amp; temperature (complies with JASO D609 standard for Current carrying capacity of low tension cables)</p> <p>Copyright by Offroad Living 2020 - feel free to use or share. Please do not duplicate or modify in any way</p> <p><a href="http://www.offroadliving.com.au">www.offroadliving.com.au</a></p>																							

