



# MODERN ATOMICS PDU MOTOR CHART

CEDIA MEMBER

COMM	MOTOR MODEL NUMBER	Connector	Watts	Torque	Voltage	Neutron DC-22	Reaktor DC-22	Reaktor CORE	Tokamak W-PS	Tokamak W/O-PS	Tokamak 35V	Colider PoE-15	LTC PoE-15bt	Collider 8-DC	Collider 16-DC	SUPER Collider
<b>AUTOMATE® (Division of Rollease Acmeda)</b>																
						~ Per PDU ~ (Front RJ45 485 Motor Ports 2Nm MAX) (Rear Motor Ports can support up to 8Nm total MAX)										
485	DC 1.1 MT01-1225-069005	RJ45	12	1.1	24V	22	~N/A ~	22	16	16	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>BTX®</b>																
RF	BTX® DC RF 2Nm	2P	22	2	24V	22	~N/A ~	22	12	12	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RF	BTX® DC RF 4Nm	2P	40	4	24V	12	~N/A ~	12	7	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
PoE	BTX® PoE 2.0	RJ45	22	2	44~57 AF	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	15	15	8	16	32
PoE	BTX® PoE 4.0	RJ45	40	4	44~57 AF	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	15	15	8	16	32
RF/CC	BTX® Tumo HD	2p	36	1.2	24V	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>CRESTRON®</b>																
485	CSM-QMT50- DCCN	4P	50	6	22.1-26.1	10	~N/A ~	10	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- 163-1-CN	4P	42.5	0.75	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- 163-1-EX	4P	42.5	0.75	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- 250-4-CN	4P	42.5	4	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- 250-4-EX	4P	42.5	4	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- 256-2-CN	4P	36	2	22.1-26.1	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- DRP-3-CN	4P	42.5	1.62	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	CSM-QMTDC- DRP-3-EX	4P	42.5	1.62	22.1-26.1	11	~N/A ~	11	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>HUNTER DOUGLAS®</b>																
RF	PowerView #1029402 G2/White	2P	21.6	0.8	16.7-19.8	~N/A ~	~N/A ~	~N/A ~	13	12	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RF	PowerView #1029401 G2/Black	2P	21.6	0.8	16.7-19.8	~N/A ~	~N/A ~	~N/A ~	13	12	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RF	PowerView GEN 3 White	2P	21.6	0.8	16.7-19.8	~N/A ~	~N/A ~	~N/A ~	13	12	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RF	PowerView GEN 3 Black	2P	21.6	0.8	16.7-19.8	~N/A ~	~N/A ~	~N/A ~	13	12	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>RED-Obsolete/EOL Motors</b>						<b>Orange =Some doubled up rear motor ports (Maximum 8Nm per rear motor port)</b>										



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COMM	MOTOR MODEL NUMBER	Connector	Watts	Torque	Voltage	Neutron DC-22	Reaktor DC-22	Reaktor CORE	Tokamak W-PS	Tokamak W/O-PS	Tokamak 35V	Colider PoE-15	LTC PoE-15bt	Collider 8-DC	Collider 16-DC	SUPER Collider
<b>LUTRON®</b>																
~ Per PDU ~ (Front RJ45 485 Motor Ports 2Nm MAX) (Rear Motor Ports can support up to 8Nm total MAX)																
485	QSSC-EDU- R20	4P	17	0.33	21.6 - 38.5	22	~N/A ~	22	16	15	15	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 5	4P	28	0.56	21.6 - 38.5	17	~N/A ~	17	10	9	9	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 10	4P	52	1.12	21.6 - 38.5	9	~N/A ~	9	5	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 64	4P	52	1.12	21.6 - 38.5	9	~N/A ~	9	5	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R100	4P	37	2.82	21.6 - 39.6	13	~N/A ~	13	7	7	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R225	4P	30	2.82	21.6 - 38.5	16	~N/A ~	16	9	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 30-SB	4P	37	2.82	21.6 - 38.5	13	~N/A ~	13	7	7	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RA2/3	QSFC- J-EDU-R2	2P	5	2.82	5.9~7.4	~N/A ~	~N/A ~	~N/A ~	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RA2/3	QSFC- M-EDU-R2	2P	5	2.82	5.9~7.4	~N/A ~	~N/A ~	~N/A ~	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RA2/3	QSFC- Q-EDU-R2	2P	5	2.82	5.9~7.4	~N/A ~	~N/A ~	~N/A ~	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
RA2/3	QSFC- K-EDU-R2	2P	5	2.82	5.9~7.4	~N/A ~	~N/A ~	~N/A ~	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R150	4P	45	3.73	21.6 - 38.5	11	~N/A ~	11	6	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 45	4P	30	5.08	21.6 - 38.5	16	~N/A ~	16	9	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R200	4P	24	6.77	21.6 - 38.5	20	~N/A ~	20	11	10	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- 60	4P	40	6.77	21.6 - 38.5	12	~N/A ~	12	7	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R300	4P	53	6.77	21.6 - 38.5	9	~N/A ~	9	5	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- R300-XT	4P	52	7.9	21.6 - 38.5	9	~N/A ~	9	5	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- D105	4P	41	11.85	21.6 - 38.5	12	~N/A ~	12	7	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- D145	4P	40	16.36	21.6 - 38.5	12	~N/A ~	12	7	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
485	QSSC-EDU- D175	4P	45	19.74	21.6 - 38.5	11	~N/A ~	11	6	6	6	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>MECHO®</b>																
485	iQ2-DC	4P	48	4	24	10	~N/A ~	10	6	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
<b>POWERSHADES®</b>																
RF	PS30CEQ_2.0NM_2W_2022	2P	18	2	12V	27	~N/A ~	~N/A ~	15	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~
PoE	PS35PoE_2.0NM_BR17_2022	RJ45	5	2	44~57 AF	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	11	15	8	16	32
PoE	PS45PoE_6.0NM_BR20_2023	RJ45	5	6	44~57 AF	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	11	15	8	16	32



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RED-Obsolete/EOL Motors

Orange =Some doubled up rear motor ports (Maximum 8Nm per rear motor port)

COMM	MOTOR MODEL NUMBER	Connector	Watts	Torque	Voltage	Neutron DC-22	Reaktor DC-22	Reaktor CORE	Tokamak W-PS	Tokamak W/O-PS	Tokamak 35V	Colider PoE-15	LTC PoE-15bt	Collide 8-DC	Collider 16-DC	SUPER Collider	
<b>Q-MOTION®</b>																	
~ Per PDU ~ (Front RJ45 485 Motor Ports 2Nm MAX) (Rear Motor Ports can support up to 8Nm total MAX)																	
485	Q-Motion® QIS Motor	QIS-24 RJ45	32	2.5	24V	~N/A ~	~N/A ~	~N/A ~	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
<b>SAVANT® GE PROSEO SHADES</b>																	
RF	Smart Wired soon																
<b>Screen Innovations®</b>																	
485	SOLO 3 375	5P 16	2	21.6-28.5	<b>14</b>	~N/A ~	<b>14</b>	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
485	SOLO 3 575	5P 36	4	21.6-28.5	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	SOLO 3 375	2P 36	4	21.6-28.5	<b>14</b>	~N/A ~	<b>14</b>	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	SOLO 3 575	2P 36	4	21.6-28.5	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
<b>Shade Innovations®</b>																	
485	NANO 375	5P 16	2	21.6-28.5	<b>14</b>	~N/A ~	<b>14</b>	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
485	NANO 575	5P 36	4	21.6-28.5	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	NANO 375	2P 36	4	21.6-28.5	<b>14</b>	~N/A ~	<b>14</b>	8	8	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	NANO 575	2P 36	4	21.6-28.5	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RF/Z	Nino	2P 12	1.1	12V	~N/A ~	~N/A ~	~N/A ~	<b>23</b>	<b>21</b>	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
PoE	Nino	2P 12	1.1	12V	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	15	8	16	32
<b>Sombra Shades</b>																	
RF/Z	SR	2P 12	1.1	12V	~N/A ~	~N/A ~	~N/A ~	<b>23</b>	<b>21</b>	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
PoE	SR	2P 12	1.1	12V	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	15	8	16	32

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CEDIA MEMBER

RED-Obsolete/EOL Motors		Orange =Some doubled up rear motor ports (Maximum 8Nm per rear motor port)															
COMM	MOTOR MODEL NUMBER	Connector	Watts	Torque	Voltage	Neutron DC-22	Reaktor DC-22	Reaktor CORE	Tokamak W-PS	Tokamak W/O-PS	Tokamak 35V	Colider PoE-15	LTC PoE-15bt	Collide 8-DC	Collider 16-DC	SUPER Collider	
<b>SOMFY®</b>																	
485	<b>30 (Obsolete) #1000658</b>	5P	20	2	21.6-28.5	11	11	11	14	13	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
485	Sonesse® 30 #1241144	5P	16	2	21.6-28.5	26	26	26	16	16	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
485	Sonesse® ULTRA 504 #1134022	5P	36	4	21.6-28.5	13	13	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
PoE	Sonesse® 30 #1241147	J45	18	1.5	48-57 AT	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	0	15	8	16	32	
PoE	Sonesse® 40 2 #1241426	J45	25	2	48-57 AT	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	0	15	8	16	32	
PoE	Sonesse® 40 4 #1241427	J45	51	4	48-57 BT	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	0	15	8	16	32	
PoE	Sonesse® 40 6 #1241428	J45	62	6	48-57 BT	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	0	12	8	16	32	
Zigbee	Sonesse® 30 #1241970	2P	18	2	21.6-28.5	13	~N/A ~	13	8	7	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Sonesse® 30 #1241142	2P	15	2	21.6-28.5	26	~N/A ~	26	15	14	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Sonesse® 30 #1241144	2P	16	2	21.6-28.5	19	~N/A ~	19	11	10	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Sonesse® ULTRA 504 #1134023	2P	36	4	21.6-28.5	9	~N/A ~	9	5	5	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
DCT	Sonesse® 30 #1241146	6P	20	2	21.6-28.5	8	~N/A ~	8	4	4	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
DCT	Irismo™ 35 DCT # 1003004	2P	96	2	24V	2	~N/A ~	2	5	4	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Irismo™ 35 RTS # 1003004	2P	96	2	24V	2	~N/A ~	2	5	4	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
SDN	Irismo™ 35 SDN card # 1870282	J45	96	2	24V	2	~N/A ~	2	5	4	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Irismo™ 45 RTS #1002353	2P	96	4	24V	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Glydea® ULTRA 35 RTS #1246116		96	4		~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
DTC	Glydea® ULTRA 35 DTC #1246115		96	4		~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
RTS	Glydea® ULTRA 60 RTS #1246118		96	4		~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	
DTC	Glydea® ULTRA 60 DTC #1246117		96	4		~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	~N/A ~	

**NOTE:** If you exceed these recommendations your project **WILL** have issues. For ESM based PDU's like Reaktor, Neutron & LTC your unit will not have enough energy to power the quiescent current AND the ESM which will cause the unit to shut down. You can remedy this by removing motor(s). Neutron PDU's have a error indication for this, if the ESM status light is flash ing red then you have too much quiescent current, remove motor(s) until this LED stops flashing