



Titan 4th Generation Series

Ruggedized | Military Power Supplies



Titan 4th Generation (T4G) Series

A broad line of **Military** leading high performance **Power Supplies** & **Battery Chargers**

- Quality
- Safety
- Performance
- Fanless
- MIL-STDs



- Extreme Temperatures
- Wide Input Range
- Maintenance Free
- IP 65 / 67
- C.O.T.S



T4G Broad Products Line

<u>T4G</u>	-	<u>01D6</u>	-	<u>28</u>	-	<u>1</u>	-	<u>PS</u>	-	<u>0</u>
Titan 4th Generation Series		Output Power Continuous		Output Voltage (VDC)		No. of outputs		Use		Color
		01D3		28		1		PS- Power Supply		
		01D6 – 1.6		48		2		BC- Battery Charger		
		02D0 – 2.0								

T4G Benefits:

- 1.3 / 1.6 / 2.0 kW
- 28 / 48 VDC
- PS & BC
- 1 / 2 Outputs



T4G wide **Input** range

	Unit/ Name	T4G 01D3	T4G 01D6	T4G 02D0	Remarks
Input Voltage	VAC	85-264	85-264	85-264	
Input Frequency	HZ	47-63	47-63	47-63	For 115VAC, up to 440 HZ

T4G Benefits:

- ⚙ 85 – 264 VAC
- ⚙ 47 – 440 Hz @ 115 VAC
- ⚙ 28 / 48 VDC
- ⚙ 47 – 63 Hz @ 230 VAC



T4G Extra Flexibility

	Unit /Name	T4G 01D3	T4G 01D6	T4G 02D0	Remarks
Continuous Output Power	Watts	1,260	1,600	2,000	
Power Supply		Available	Available	Available	
Battery Charger		Available	Available	Available	SLA, 24V – Contact Manufacturer for specific applications

T4G Benefits:  **Power Supply**  **Battery Charger**



T4G Extra Power

	Unit /Name	T4G 01D3	T4G 01D6	T4G 02D0	Remarks
Continuous Output Power	Watts	1,260	1,600	2,000	
Extra Power	Existing (Watts)	N/A	310	200	In addition to nominal power
	Optional addition	N/A	310	510	

T4G Benefits:

- Avg. **10%** of Extra Power
- Existing Extra power for **5 min**
- Manufacturer can add **additional 15%** of Extra Power (@ 25°C)



T4G Quality / Safety Agency Approvals

	T4G - 01D3	T4G-01D6	T4G - 02D0	Remarks
Environmental	MIL-STD-810G	MIL-STD-810G	MIL-STD-810G	48 VDC in Process
EMC	MIL-STD-461F	MIL-STD-461F	MIL-STD-461F	48 VDC in Process
Safety	EN62638-1	EN60950-1	EN60950-1	48 VDC in Process
RoHS Compliant	✓	Contact Manufacturer	✓	
CE	✓	Contact Manufacturer	Contact Manufacturer	
Short Circuit Protection	✓	✓	✓	
Over Load Protection	✓	✓	✓	Auto Recovery
Over Voltage Protection	✓	✓	✓	35 – 39 Volt, need to re-power
Over Temp Protection	✓	✓	✓	@ 100c on base plate, need to re-power

T4G Maintenance Free



T4G Benefits:

- 100% natural convection cooled
- No internal or external fans needed
- No base-plate needed
- Calibration Free

T4G Ingress Protection IP 65/67

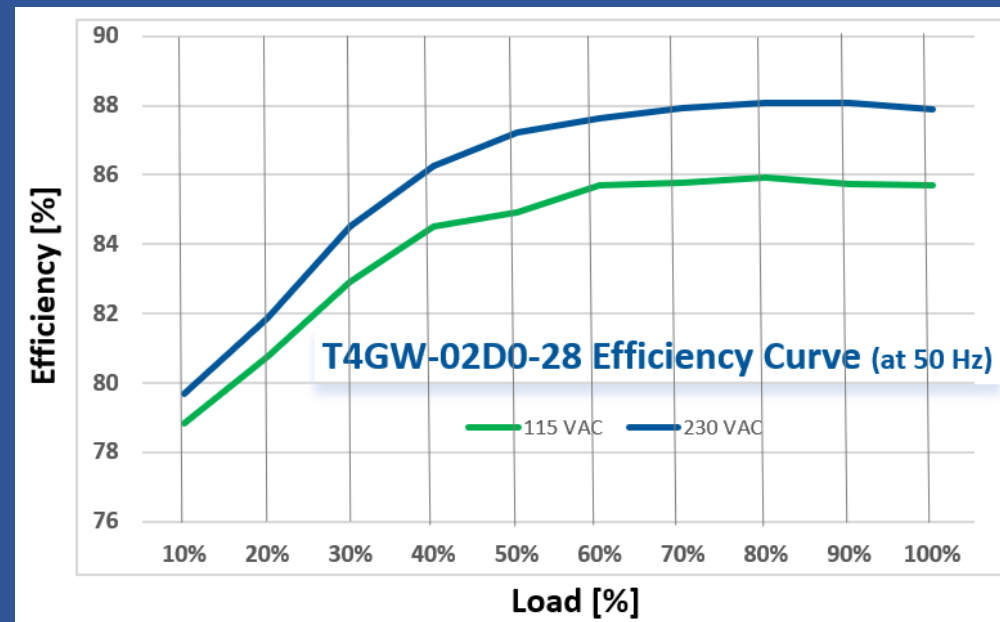
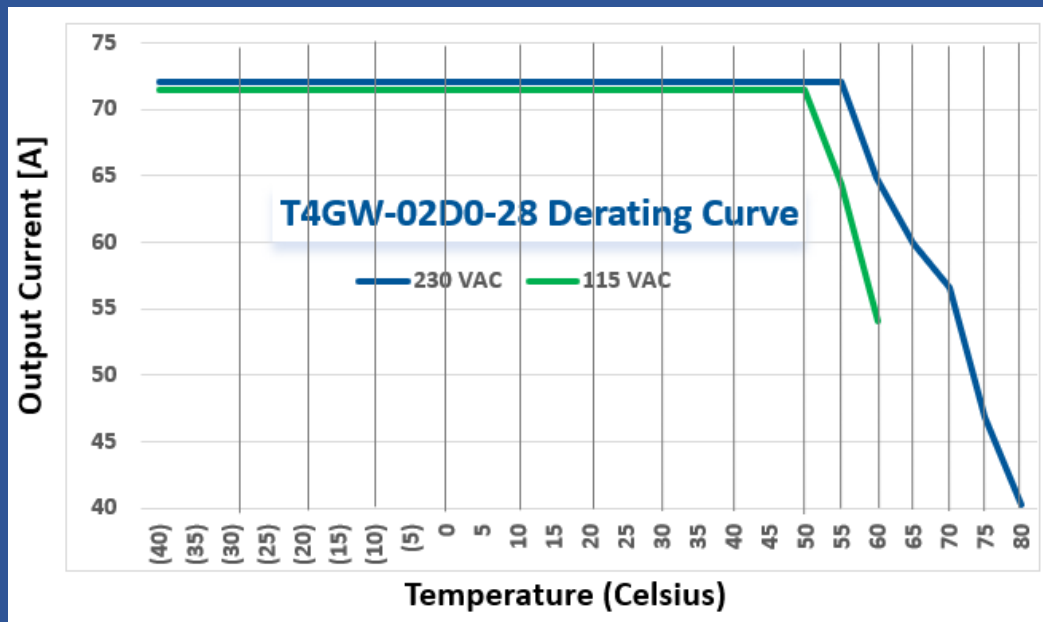


T4G Benefits:

- No ingress of **dust**
- Complete protection against contact (dust-tight)
- **Up to 8 hours** based on airflow
- **Liquid ingress** protection of **up to 1.0 m** below the surface of the water for **30 min**



T4G Efficiency & Derating



T4G Modifications & Customization

T4G Benefits:

- Can be **tailored** to meet specific projects requirements
- Adding special features / Hardware
- Short time to market





Your power solutions for **EXTREME** conditions