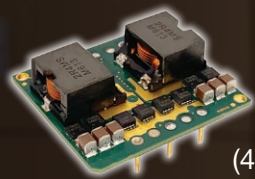
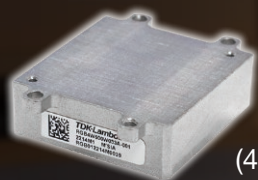


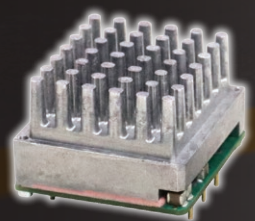
i6A
(250W)



i7A
(400–750W)



RGB
(400–750W)



i7C
(300W)



Attracting Tomorrow



Extending Runtimes of Your Battery Powered Equipment

Accelerate Your Design with TDK-Lambda's Buck and Buck-Boost DC-DC Converters.

- **Wide Input Range:** Operates seamlessly with various DC input sources
- **Flexible Output Adjustment:** Supports multiple system load voltages
- **Scalable Power Solutions:** Common pin-out provides 100W to 750W of power coverage
- **Lightweight Design:** Ideal for payload-sensitive applications
- **Adaptable Cooling Options:** Heatsink, baseplate, and ruggedized for your specific cooling and deployment needs

For more information on how TDK-Lambda can help you power your unique applications, visit our website at www.emea.lambda.tdk.com/uk



Series	Max O/P Power [W]	Input Voltage [VDC]	Max O/P Current [A]	Output Voltage [VDC]	Efficiency, typ [%]	Size [inch]	Features	Options
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STEP DOWN (BUCK CONVERTER)

i3A	100	9 – 53	4.5 8	5 – 30 3.3 - 16.5	98 96.5	0.75 x 0.92 x 0.38 (1/32nd Brick)	Remote ON/OFF, Sense, Vo_Trim	PGood
i6AN	75	9 - 40	8	-30 to -3.3	94	1.3 x 0.9 x 0.47 (1/16th Brick)		NA
i6A	250	9 - 40 9 - 53 9 - 53	14 10 20	3.3 – 24 3.3 - 40 3.3 - 15	98 97.5 97			PGood, Fsw SYNC, O/P SEQ, SIP Mount
i7A	400	9 - 18	60	0.8 – 8	97	1.34 x 1.45 x 0.45 (1/16th Brick Pin-Out)		ITrim; Baseplate; Heatsink
	500	28 - 60	20	3.3 - 32	96			
	500	18 - 60	33	3.3 - 24	98			
	750	18 - 32	45	3.3 - 18	98.5			
Super i7A **	550	9 - 18	100	0.8 – 8	96	1.34 x 1.45 x 0.78 (1/16th Brick Pin-Out)	ITrim	
	720	18 - 60	60	3.3 - 28	99			
	1000	18 - 32	80	3.3 - 18	98			

STEP DOWN / STEP UP (BUCK-BOOST CONVERTER)

i7C	300	9 – 36 9 – 53 9 – 53	20 8 12.5	8 – 24 9.6 – 48 5 – 28	97 97 96	1.34 x 1.45 x 0.48 (1/16th Brick Pin-Out)	Remote ON/OFF, Sense, Vo_Trim	PGood or ITrim; Fsw SYNC; Imon, Baseplate, Heatsink
i1C **	200	9 – 36 18 – 75	10	9.5 – 28	98 97	1 x 1 x 0.4	Remote ON/OFF; Vo_Trim	NA
	100 300	9 – 36 18 – 75	12 6	3.3 – 9.6 28 – 60	96 98			
i9C **	1500	9 – 80	30 50	9.6 – 60 5 – 36	99	2.28 x 1.75 x 0.6	Remote ON/OFF, Sense; ITrim, PHEPT, PGood, Sleep	TBD

RUGGEDIZED BUCK & BUCK-BOOST SERIES

RGA	250	9 – 40 9 – 53 9 – 53	14 10 20	3.3 – 24 3.3 – 40 3.3 – 15	98 97.5 97	1.4 x 1.4 x 0.51 (1/16th Brick Pin-Out)	Remote ON/OFF, Sense, Vo_Trim	PGood, Fsw SYNC, O/P SEQ
RGB	400 500 750	9 – 18 18 – 60 18 – 32	60 33 45	0.8 – 8 3.3 – 24 3.3 – 18	97 98 98.5	1.5 x 1.95 x 0.51 (1/16th Brick Pin-Out)		ITrim; Baseplate; Heatsink
RGC	300	9 – 53 9 – 53	8 12.5	9.6 – 48 5 – 28	97 96	1.34 x 1.45 x 0.48 (1/16th Brick Pin-Out)		PGood or ITrim; Fsw SYNC; Imon, Baseplate, Heatsink

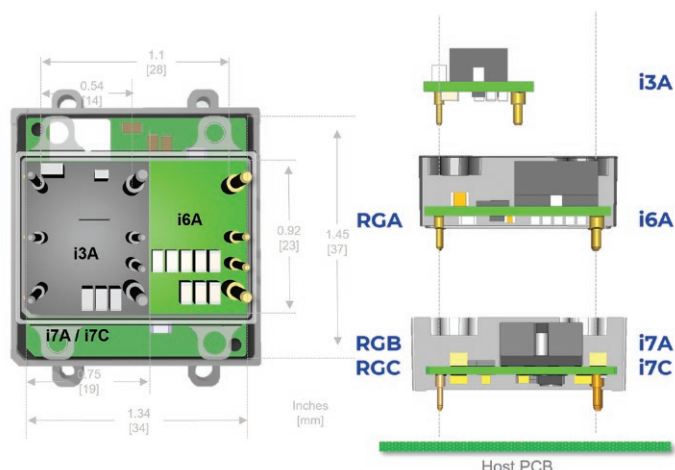
** Consult Technical Support for release and availability.

Adaptable Mechanical Cooling Options



Openframe, Baseplate, Heatsink, Ruggedized case options, can be tailored to actual system cooling and deployment.

Multi-Footprint Leverage



Common basic pinout provides scalable solutions from 100W up to 1000W.

TDK-Lambda



Visit our website: www.emea.lambda.tdk.com/uk
or contact tle.powersolutions@tdk.com for technical support