

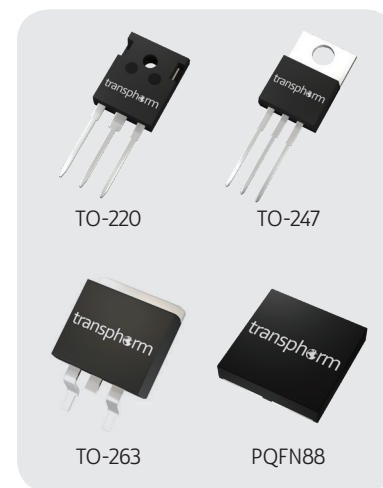
## SNAPSHOT

- Shipped over 400k devices, production reliability inline with SiC
- First publicly recorded high voltage GaN customers in production
- Proven highest quality, highest reliability high voltage GaN available
- Vertically integrated technology development (design, EPI, process, apps)
- Ability to scale to high volume quickly and easily
- Industry's strongest GaN power patent portfolio
- More than 300 years of combined GaN experience



### Released

Part Number	Vds (V) min	Rds(on)eff (mΩ) typ	Rds(on)eff (mΩ) max	Id (25°C) (A) max	Package	Package Variation
TP65H035WS	650	35	41	46.5	TO-247	Source
TP65H035WSQA	650	35	41	47	TO-247	Source
TP65H050WS	650	49	60	34	TO-247	Source
TPH3205WSBQA	650	49	62	35	TO-247	Source
TPH3212PS	650	72	85	26	TO-220	Source
TPH3208PS	650	110	130	20	TO-220	Source
TPH3206PSB	650	150	180	16	TO-220	Source
TP90H180PS	900	170	205	15	TO-220	Source



### Sampling

TP65H050BS*	650	50	60	34	TO-263	Source
TP65H070LSG**	650	72	85	25	PQFN88	Source
TP65H070LDC**	650	72	85	25	PQFN88	Drain
TP65H150LSG***	650	150	180	15	PQFN88	Source

\* Release (TBD)  
 \*\* Release April 2019  
 \*\*\* Release September 2019

### GaN Value Proposition

**99%** Efficiency  
**40%** Higher Power Density  
**20%** Lower System Cost

**Need for Speed**  
 GaN operates at higher frequencies with up to 4x faster switching, lower crossover losses, and increased system efficiency

**Feel the Power**  
 GaN in a totem-pole configuration lowers component count and EMI filter size to deliver the same power in a smaller footprint

**Smaller, Lighter, Cooler**  
 Higher efficiency and increased power density means lower overall system cost

### Transphorm Value Proposition



**In production with Tier 1 customers with ramping volumes**  
 • Adoption in high-voltage consumer; computing (Gaming, Crypto-mining, AI); and, infrastructure and IT segments

**Best-in-class quality and reliability**  
 • Only JEDEC and AEC-Q101 qualified 650V device(s) available on the market

**Comprehensive product portfolio**  
 • 3rd generation of products now in the market and ramping

**Manufacturing structure in place to support long-term demand**  
 • Fujitsu foundry relationship for high volume and quality production

**Long-term product, package, and automotive roadmap in place**